CONTACT

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📞 +94 76 898 4246

📍 Kandy, Sri Lanka

in **LinkedIn**

🐙 **github.com/SaadiaJameel**

💼 **portfolio**

PERSONAL SKILLS

Effective Communication

Persuasion

Leadership

Collaboration

Language skills

Language	Level
English	95%
Sinhala	90%
Tamil	30%
German	10%

TECHNICAL SKILLS

Programming Languages

Python, C, Java, Verilog HDL,
ARM Assembly, PHP in HTML, JavaScript

Database Systems

MySQL, FireBase

Front End and Back End Coding

Android Studio, Laravel framework, Flutter

Project Management Tools

GitHub

SAADIA JAMEEL

Computer Engineering Undergraduate

PROFILE

I am an enthusiastic, self-motivated student. I strive for the best in all that I do. I have strong creative and analytical skills. I would call myself a good team player with an eye for detail.

EDUCATION

BACHELOR OF THE SCIENCE OF ENGINEERING

2019 September- Present
University of Peradeniya

Current GPA- 4.0/4.0   Field Rank- 1/60

G. C. E. ADVANCED LEVEL

2016- 2018
Hillwood College, Kandy   3As

Combined Mathematics	A
Physics	A
Chemistry	A
General Information Technology	A

Z Score- 1.9914

G. C. E. ORDINARY LEVEL

2005- 2015
Hillwood College, Kandy   9As

FIT-IN-DEUTSCH 2

2015   B Pass

ACHIEVEMENTS

HACKFEST | GROUP

Inter- university hackathon organized by ACES.
2022

Rank (healthcare category) - 1 (out of top 20 chosen teams)

ACES- PRE CODERS | GROUP

A 12 hour coding competition organized by ACES.
2022

Qualified to the final round.

ACADEMIC PROJECTS

ORAL CAVITY REGION DETECTION SYSTEM

2022 March- Present

- A web-based application that can be used to upload images of an oral cavity and segment the anatomical structures in the image using machine learning.
- Contribution: Developed and deployed certain features of the front end.
- *Technologies: Node.js, MongoDB, Express.js, React.js*

CYBER-PHYSICAL SYSTEMS PROJECT

2022 October- 2023 January

- An embedded system that evaluates the severity of road rule breakings with regards to the crossing of road lines.
- The hardware was developed using a Raspberry Pi microcontroller and store bought sensors. The mobile app created included features for road rule breakage monitoring per vehicle, per location, per severity and per date and time.
- *Technologies: Flutter, JavaScript, Dart, Python (OpenCV), Firebase and cloud firestore*

ANDROID APPLICATION DEVELOPMENT FOR STUDENT RESULT MANAGEMENT

2021 November- 2022 March

- An application developed for undergraduates to keep track of their academic performance, progress and standing against other students in the batch.
- *Technologies: MySQL, Android Studio, Spring Boot, Postman, JAVA*

DATABASE SYSTEM FOR MANAGING EQUIPMENT AT A GYMNASIUM

2021 November- 2022 March

- A fully functional database to organize reservations, cancellations, borrowings and misplacements of equipment at a gym.
- *Technologies: MySQL, PHP*

BUILDING AN 8-BIT SINGLE CYCLE COMPUTER PROCESSOR- RISC V

2021 November- 2022 March

- An 8- bit single cycle processor with an ALU, register file, control logic, data memory, data cache, instruction memory and instruction cache. A memory hierarchy too was built.
- *Technologies: ARM Assembly, Verilog HDL*

DATA VISUALIZER FOR ANALYTICS

2021 August- 2021 September

- Analyzes data gathered through virtual meeting tools and visually represents the data as per the requirement of the user.
- *Technologies: C language*

A DIGITAL CLOCK

2021 September- 2021 October

- Prints the current time and date on a linux terminal in the format and font of a digital clock
- *Technologies: C language*

EXPERIENCE

INSTRUCTING

2022 September- 2023 January

Worked as a casual instructor to assist 2nd year computer engineering undergraduates at the University of Peradeniya in labs

- Helped with the subjects digital design and computer communication networks.
- Prepared and delivered laboratory classes 4 hours a week.

DEPARTMENT PROJECT- SMART INVENTORY MANAGEMENT WEB SYSTEM

2022

University of Peradeniya

- Database administration and website design using the Laravel framework.
- Creating and managing resource reservations.
- Maintaining resources by sending scheduled reminders for maintenance.

VOLUNTEERING

2021 August- 2022 April

Project Nenathambara- University of Peradeniya

- Created and wrote content for a Python course for beginners.
- Taught Python.

WORK EXPERIENCE- UNILEVER

2019 September- 2020 September

Unilever SPARKS Student Ambassador

- Worked as a Student Ambassador for Unilever, Sri Lanka at the University of Peradeniya.
- Organized the projects "Entrance to the Corporate World", "Competing and Surviving in the Corporate World" and "Career Guidance for Science, Management and Arts Undergraduates".
- Each project had a reach of over 200 undergraduates from around Sri Lanka.

SCHOLARSHIPS

SCHOLARSHIP FOR 2021- PUBLIC TRUSTEE DEPARTMENT, SRI LANKA

2022

An award for the best academic performance in the first year.

TILAK PEIRIS AWARD

2021

An award for the best performance in the general program in Engineering.

PERADENIYA UNIVERSITY ALUMNI ASSOCIATION OF NEW SOUTH WALES SCHOLARSHIP-

2021

An award for the best performance in engineering in the first year.

EXTRA ACTIVITIES

INTERNATIONAL

International Sports Affairs Training Course
2021
Participated in a "Sports Promotion" conference held in Taiwan.

Sports Youth Affairs- Youth Olympic Camp
2019
Represented Sri Lanka at the Youth Olympic Camp held in Beijing, China.

SPORTS

Swimming

2006- Present
Vice captain of the University of Peradeniya swimming team
University colours for swimming
Zonal colours for swimming
School colours for swimming

LEADERSHIP

Clubs and Societies- University
2020- Present
Captain- English Debating Team (Faculty of Engineering)
Secretary- International Interactions Club
Representative- Ceylon University Dramatic Society

Girl Guiding
2013- 2017
President's Guide
Translated the Sri Lanka Girl Guiding Hand Book from Sinhala to English

School
School Prefect - 2016
Games Captain Primary School - 2009

REFEREES

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